

Title (en)
SURFACE FUNCTIONALISED NANOPARTICLES

Title (de)
OBERFLÄCHENFUNKTIONALISIERTE NANOPARTIKEL

Title (fr)
NANOPARTICULES À SURFACE FONCTIONNALISÉE

Publication
EP 2350183 B1 20170215 (EN)

Application
EP 09756543 A 20091103

Priority
• GB 2009002605 W 20091103
• GB 0820101 A 20081104
• US 11109308 P 20081104

Abstract (en)
[origin: US2010113813A1] Embodiments of the invention relate to a process for the production of surface functionalised nanoparticles, such as semiconductor quantum dot nanoparticles incorporating surface-bound functional groups suitable for enabling the dots to be incorporated into silicone polymers.

IPC 8 full level
C08K 9/04 (2006.01); **B82Y 30/00** (2011.01); **C09C 1/04** (2006.01); **C09C 1/10** (2006.01); **C09C 1/14** (2006.01); **C09C 1/40** (2006.01); **C09C 3/08** (2006.01)

CPC (source: EP US)
B82Y 30/00 (2013.01 - EP US); **C09C 1/04** (2013.01 - EP US); **C09C 1/10** (2013.01 - EP US); **C09C 1/14** (2013.01 - EP US); **C09C 1/40** (2013.01 - EP US); **C09C 3/08** (2013.01 - EP US); **C01P 2004/64** (2013.01 - EP US)

Citation (examination)
VAN BLAADEREN A ET AL: "Synthesis and Characterisation of monodisperse colloidal organo-silica spheres", JOURNAL OF COLLOID AND INTERFACE SCIENCE, ACADEMIC PRESS, NEW YORK, NY, US, vol. 156, no. 1, 1 March 1993 (1993-03-01), pages 1 - 18, XP002556766, ISSN: 0021-9797, [retrieved on 20020426], DOI: 10.1006/JCIS.1993.1073

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
US 2010113813 A1 20100506; US 8394976 B2 20130312; AU 2009312587 A1 20100514; AU 2009312587 A8 20110609; CA 2741825 A1 20100514; CA 2741825 C 20161122; CN 102272217 A 20111207; CN 102272217 B 20170405; EP 2350183 A1 20110803; EP 2350183 B1 20170215; GB 0820101 D0 20081210; HK 1160157 A1 20120810; IL 212663 A0 20110731; IL 212663 A 20141231; JP 2012507588 A 20120329; JP 5727936 B2 20150603; KR 20110091740 A 20110812; TW 201022364 A 20100616; TW I515262 B 20160101; WO 2010052455 A1 20100514

DOCDB simple family (application)
US 61237909 A 20091104; AU 2009312587 A 20091103; CA 2741825 A 20091103; CN 200980153629 A 20091103; EP 09756543 A 20091103; GB 0820101 A 20081104; GB 2009002605 W 20091103; HK 12100348 A 20120112; IL 21266311 A 20110503; JP 2011533822 A 20091103; KR 20117012613 A 20091103; TW 98137432 A 20091104